

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

Radiation Shield Technologies

Florida Manufacturing Extension Partnership

Radiation Shield Technologies Reaffirms Commitment to Quality

Client Profile:

Radiation Shield Technologies (RST), founded in 2003, is the world leader in the research, design and production of personal protection systems for ionizing and nuclear radiation. Demron™, the company's core technology, is the new standard in personal radiation protection. This revolutionary technology is currently produced as full body suits, gloves and boots. Demron™ not only protects against particle ionizing/nuclear radiation (such as Beta and Alpha), but does what no other full body radiation protection can do: shield against X-ray and low-energy Gamma emissions. Demron™ is non-toxic and completely Lead-free. Radiation Shield Technologies employs 15 people at its facility in Coral Gables, Florida.

Situation:

RST is focusing on a path of assertive growth through international sales and by participating in the government contracting process. Engaging in these endeavors and as the world leader in nuclear radiation blocking fabric with multiple patents requires that the company to be trained in the ISO Process and to achieve the ISO Certification. RST's goal is to also ensure that all Demron® products are of the highest protective quality. RST feels that the ISO process training and certification is mandatory to achieve their goals. As a previous client of the Florida Manufacturing Extension Partnership (Florida MEP), a NIST MEP network affiliate, RST looked to the Florida MEP for training assistance to achieve this goal.

Solution:

Florida MEP and its team of technical resources provided RST on-site training services to enable the company to write and implement a Quality Management System (QMS) that fully complies with ISO 9001:2008. The ISO Certification is the first step for obtaining the Class 2 National Fire Protection Association (NFPA) Certification required by the NFPA for First Responders to Chemical, Biological, Radiological Detection and Monitoring Terrorism Incidents. With Florida MEP's assistance, RST earned two ISO certifications, ISO 9001:2008 as well as ISO 13485:2003, a regulatory standard for the international medical industry that ensures manufacturers of medical devices conform to specific

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quality controls. This achievement demonstrated their commitment to maintain the highest standards of manufacturing and quality control

Results:

- * Achieved ISO 9001:2008 and ISO 13485:2003 certifications.
- * Retained sales of \$100,000.
- * Realized \$30,000 in cost savings.
- * Invested \$100,000 in equipment.
- * Anticipated 100 percent growth.

Testimonial:

"RST is proud of their success in achieving their ISO 9001:2008 and ISO 13485:2003 certifications. This would not have been possible without the professional training provided by the Florida MEP."

Dr. Robert DeMeo, President